

Amendment Under 37 C.F.R. § 1.111
U.S. Application No. 09/688,863

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Canceled)

2. (Previously Presented) The cutting machine for cutting the flat cardboard plate as claimed in Claim 6, wherein each of the first and second rotary cutters rotates in such a direction as to permit a leading portion of the respective rotary cutter, with respect to a direction of movement relative to the flat cardboard plate, to plunge into the flat cardboard plate. *C*

3. (Canceled).

4. (Previously Presented) The cutting machine for cutting the flat cardboard plate as claimed in Claim 6, wherein the level adjusting mechanism is operable to selectively elevate and lower the support table.

5. (Previously Presented) The cutting machine for cutting the flat cardboard plate as claimed in Claim 6, further comprising a support structure for rotatably supporting the first and

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second rotary cutters and wherein the drive mechanism is operable to move the support structure relative to the flat cardboard plate.

6. (Previously Presented) A cutting machine for cutting a flat cardboard plate having a cardboard, said cutting machine comprising:

a first rotary cutter for cutting an upper portion of the flat cardboard plate;
a second rotary cutter rotatable in a direction counter to a direction of rotation of the first rotary cutter for cutting a lower portion of the flat cardboard plate;
a drive mechanism for driving the first and second rotary cutters relative to the flat cardboard plate along a single cutting line to cut the flat cardboard plate along such cutting line;
a support table for supporting from below the flat cardboard plate, and a level adjusting mechanism for adjusting a relative position between the support table and the first and second rotary cutters in a direction up and down according to a thickness of the flat cardboard plate to be cut and for setting a boundary between respective depth of cutting by the first and second rotary cutters to a value substantially equal to one half of a thickness of the flat cardboard plate; and
a retaining mechanism for pressing a portion of the flat cardboard plate on a trailing side of the cutting line with respect to a direction of feed of the flat cardboard plate against the support table by moving a retainer bar only in a vertical direction to retain the flat cardboard plate immovable during a cutting operation.

7-8. (Canceled)

9. (Previously Presented) The cutting machine as claimed in Claim 11, wherein each of the first and second rotary cutters rotates in such a direction as to permit a leading portion of the respective rotary cutter, with respect to a direction of movement relative to the article, to plunge into the article.

10. (Previously Presented) The cutting machine as claimed in Claim 11, wherein the level adjusting mechanism is operable to selectively elevate and lower the support table.

11. (Currently Amended) A cutting machine comprising:

- a first rotary cutter operable to cut an upper portion of an article;
- a second rotary cutter which rotates in a direction counter to a direction of rotation of the first rotary cutter and operable to cut a lower portion of the article;
- a drive mechanism operable to drive the first and second rotary cutters relative to the article along a single cutting line to cut the article along such cutting line;
- a support table operable to support from below the article, and a level adjusting mechanism operable to adjust a relative position between the support table and the first and second rotary cutters in a vertical direction according to a thickness of the article to be cut; and

a retaining mechanism operable to press a portion of the article on a trailing side of the cutting line with respect to a direction of feed of the article against the support table to retain the article immovable during a cutting operation,

wherein the adjusting mechanism is further operable to set a boundary between respective depth of cutting by the first and second rotary cutters to a value substantially equal to one half of a thickness of the article.

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12. (Currently Amended) A cutting machine comprising:

a first rotary cutter operable to cut an upper portion of an article;

a second rotary cutter which rotates in a direction counter to a direction of rotation of the first rotary cutter and operable to cut a lower portion of the article;

a drive mechanism operable to drive the first and second rotary cutters in a back and forth motion along a single cutting line; and

a support table operable to support from below the article, and a level adjusting mechanism operable to adjust a relative position between the support table and the first and second rotary cutters in a vertical direction according to a thickness of the article to be cut,

wherein the adjusting mechanism is further operable to set a boundary between respective depth of cutting by the first and second rotary cutters to a value substantially equal to one half of a thickness of the article.

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13. (Canceled)

14. (Previously Presented) The cutting machine as claimed in Claim 12, wherein each of the first and second rotary cutters rotates in such a direction as to permit a leading portion of the respective rotary cutter, with respect to a direction of movement relative to the article, to plunge into the article.

15. (Previously Presented) The cutting machine as claimed in Claim 12, wherein the level adjusting mechanism is operable to selectively elevate and lower the support table.

16. (Previously Presented) The cutting machine as claimed in Claim 12, further comprising a retaining mechanism operable to press a portion of the article on a trailing side of the cutting line with respect to a direction of feed of the article against the support table to retain the article immovable during a cutting operation.

17. (Previously Presented) The cutting machine as claimed in claim 12, wherein the article is maintained in a stationary position when the drive mechanism drives the first and second rotary cutters in the lateral direction relative to the article along the single cutting line.

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18. (Previously Presented) The cutting machine as claimed in claim 6, wherein the flat cardboard plate is maintained in a stationary position when the drive mechanism drives the first and second rotary cutters relative to the flat cardboard plate along the single cutting line.

19. (Previously Presented) The cutting machine as claimed in claim 11, wherein the article is maintained in a stationary position when the drive mechanism drives the first and second rotary cutters relative to the article along the single cutting line.
